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Glass with after-glow - used in the manufacture of
photo-preserving glass

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Priority Applications (No Type Date): JP 9860936 A 19980312

Patent Details:

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JP 11255536	A		9				

Abstract (Basic): JP 11255536 A

(1) A glass composition (A) mainly composed of at least one compound (B) of CaO and SrO and at least one compound (C) of (Al₂O₃), (B₂O₃), and (SiO₂). (A) also contg. 0.001-10 molar % of (Eu) as activating agent (D) and 0.001-10 molar % of at least one of Nd, Sm, Gd, Tb, Dy, Ho, Er, Tm, Yb, and Lu as co-activating agent (E). (2) (A) in (1), mainly composed of (B), (C), 0.001-10 molar % of (Eu), and 0.001-10 molar % of at least one of Nd and Dy as co-activating agent. (3) (A) in (1), mainly composed of CaO, Al₂O₃, and SiO₂, contg. 0.001-10 molar % of (Eu) as (D) and 0.001-10 molar % of Nd as (E). (4) (A) in (1), mainly composed of SrO, Al₂O₃, and SiO₂, also contg. 0.001-10 molar % of (Eu) as (D) and 0.001-10 molar % of Dy as (E). (5) (A) in (1), mainly composed of CaO, Al₂O₃, and B₂O₃, also contg. 0.001-10 molar % of (Eu) as (D) and 0.001-10 molar % of Dy as (E).

USE - Used as the glass with after glow.

ADVANTAGE - This method is able to manufacture photo-preserving glass.

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Title Terms: GLASS; AFTER; GLOW; MANUFACTURE; PHOTO; PRESERVE; GLASS

Derwent Class: L01

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